
**IMPLANTABLE CARDIAC STIMULATION DEVICE THAT
DEFIBRILLATES THE ATRIA WHILE AVOIDING
THE VENTRICULAR VULNERABLE PERIOD AND METHOD**

Abstract of the Disclosure

10 An implantable cardiac stimulation device applies defibrillating
electrical energy to the atria of a heart at a time which avoids inducing
ventricular fibrillation of the heart. The device includes an atrial fibrillation
detector that detects atrial fibrillation of the heart, a pacing pulse
generator that applies a ventricular pacing pulse to the heart responsive
15 to detection of atrial fibrillation, a timer that times a time period through an
evoked response and a T-wave caused by the pacing pulse, and a
defibrillation pulse generator that applies defibrillating electrical energy to
the atria of the heart after the timer completes the timing of the time
period.